



**TOWN OF CONCORD  
FIRE DEPARTMENT**

209 WALDEN STREET  
CONCORD, MASSACHUSETTS 01742  
TEL: (978) 318-3488 • FAX: (978) 369-6697  
[www.concordma.gov/fire](http://www.concordma.gov/fire)



To: Elizabeth Hughes, Town Planner

From: Thomas Judge, Assistant Fire Chief

Subject: Keuka Road plan

Date: May 26, 2017

MARK R. COTREAU  
FIRE CHIEF  
[mcotreau@concordma.gov](mailto:mcotreau@concordma.gov)  
(978) 318-3450

THOMAS M. JUDGE  
ASSISTANT FIRE CHIEF  
[tjudge@concordma.gov](mailto:tjudge@concordma.gov)  
(978) 318-3451

Elizabeth,

I have reviewed the plan for Keuka Road. There are a couple of issues that I see as problems:

- 1) The Massachusetts Fire Code 527CMR1.00 Chapter 18 is the code for Fire Department Access and Water Supply. Within the Massachusetts amendments, 18.2.3.4.3.1 states:

*"The minimum inside turning radius of a fire department access road shall be 25 feet. The AHJ shall have the ability to increase the minimum inside turning radius to accommodate the AHJ's apparatus."*

That dimension is not on the plan, but my calculation indicates that the inside turning radius is approximately 20.5 feet, below the minimum 25 feet required by the Fire Code .

- 2) In addition to the non-compliance cited in #1, the plan as presented depicts Concord Ladder 1 turning movements throughout the cul-de-sac. A review of the plan shows that there is no margin for error on the part of the driver, as the truck will be practically in contact with the curb on its inside rear tire while the outside front bumper is at the other curb, the proposed layout will not work if there are any obstructions, for example:

- Cars parked on the either side of the road.
- Snowbanks.
- Mailboxes.
- Trash & recycling containers.
- Anything additional along the curb.
- Landscape trailers
- Delivery vehicles

cc: file